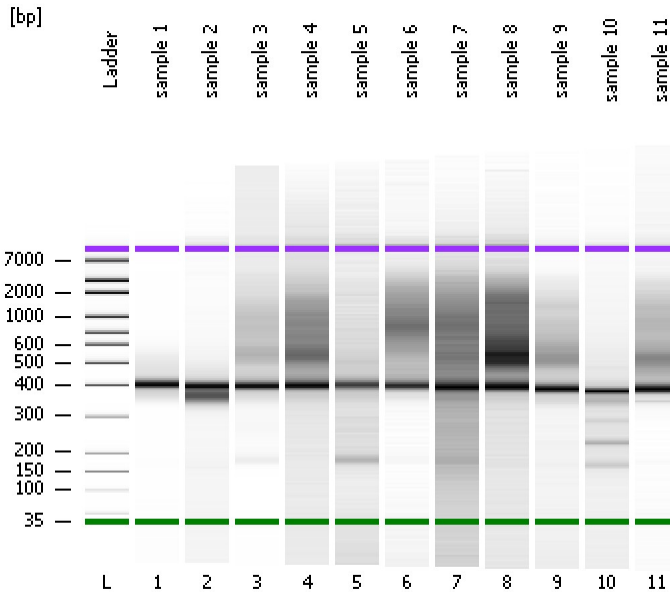


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-24\2016-05-24\_003.xad

Created: 5/24/2016 4:16:25 PM  
Modified: 5/24/2016 4:57:43 PM

### Electrophoresis File Run Summary



#### Instrument Information:

Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      Type: G2938B

#### Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy  
Assay Class: High Sensitivity DNA Assay  
Version: 1.03  
Assay Comments: Copyright © 2003-2010 Agilent Technologies

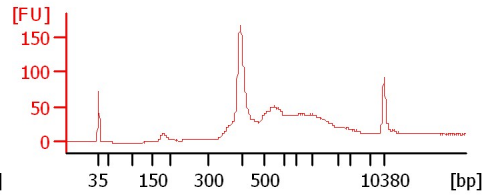
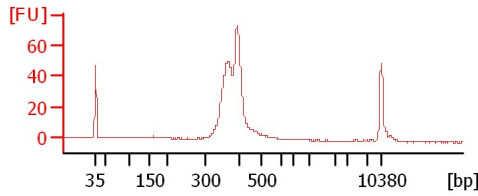
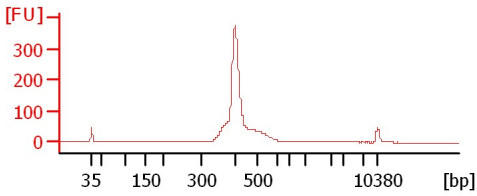
#### Chip Information:

Chip Lot #:      Reagent Kit Lot #:      Chip Comments:

sample 1

sample 2

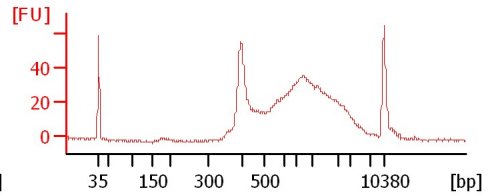
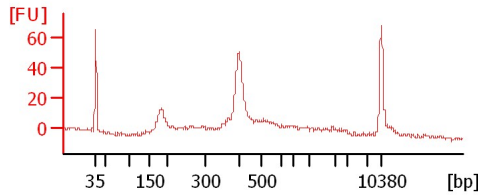
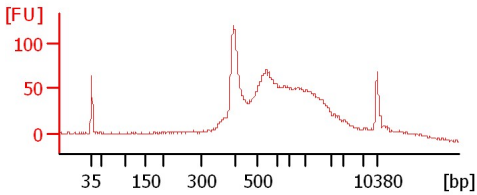
sample 3



sample 4

sample 5

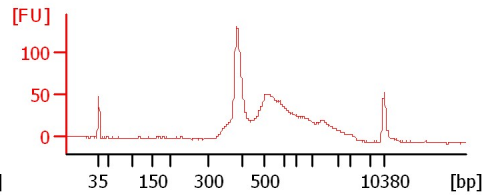
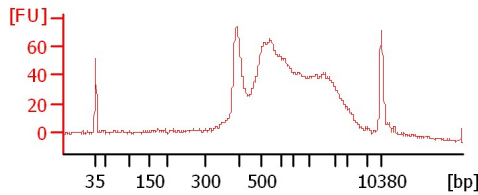
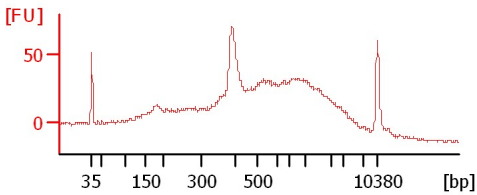
sample 6



sample 7

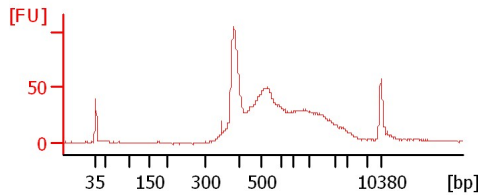
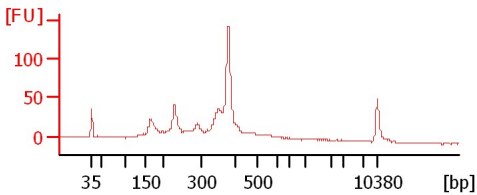
sample 8

sample 9



sample 10

sample 11



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-24\2016-05-24\_003.xad

Created: 5/24/2016 4:16:25 PM  
Modified: 5/24/2016 4:57:43 PM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
sample 1		<input type="checkbox"/>	✓			
sample 2		<input type="checkbox"/>	✓			
sample 3		<input type="checkbox"/>	✓			
sample 4		<input type="checkbox"/>	✓			
sample 5		<input type="checkbox"/>	✓			
sample 6		<input type="checkbox"/>	✓			
sample 7		<input type="checkbox"/>	✓			
sample 8		<input type="checkbox"/>	✓			
sample 9		<input type="checkbox"/>	✓			
sample 10		<input type="checkbox"/>	✓			
sample 11		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-24\2016-05-24\_003.xad

Created: 5/24/2016 4:16:25 PM  
Modified: 5/24/2016 4:57:43 PM

**Electrophoresis Assay Details**

**General Analysis Settings**

Number of Available Sample and Ladder Wells (Max.) : 12  
Minimum Visible Range [s] : 32  
Maximum Visible Range [s] : 138  
Start Analysis Time Range [s] : 33  
End Analysis Time Range [s] : 137.5  
Ladder Concentration [pg/μl] : 1950  
Uses Standard Area for Ladder Fragments  
Lower Marker Concentration [pg/μl] : 125  
Upper Marker Concentration [pg/μl] : 75  
Used Upper Marker for Quantitation  
Standard Curve Fit is Point to Point  
Show Data Aligned to Lower and Upper Marker

**Integrator Settings**

Integration Start Time [s] : 33.05  
Integration End Time [s] : 137  
Slope Threshold : 0.8  
Height Threshold [FU] : 5  
Area Threshold : 0.1  
Width Threshold [s] : 0.6  
Baseline Plateau [s] : 0.5

**Filter Settings**

Filter Width [s] : 0.5  
Polynomial Order : 4

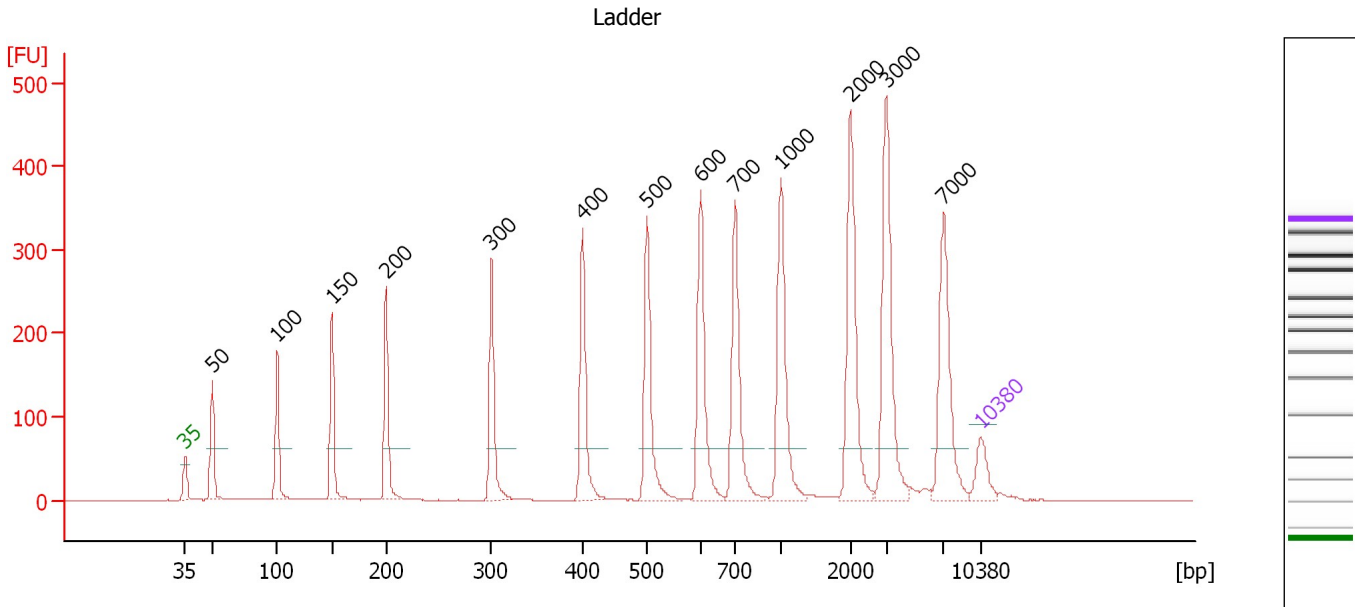
**Ladder**

Ladder Peak	Size	Area
1	35	160
2	50	210
3	100	208
4	150	221
5	200	242
6	300	270
7	400	305
8	500	306
9	600	336
10	700	321
11	1000	366
12	2000	413
13	3000	411
14	7000	400
15	10380	214

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-24\2016-05-24\_003.xad

Created: 5/24/2016 4:16:25 PM  
 Modified: 5/24/2016 4:57:43 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

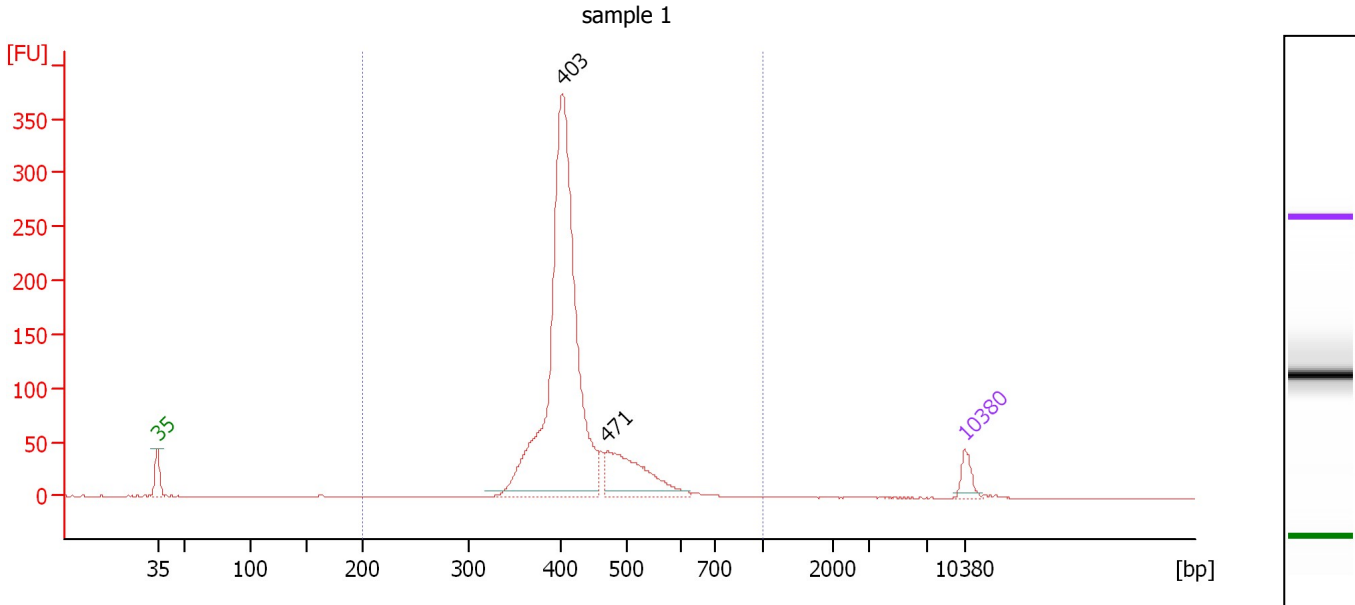
**Peak table for Ladder**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	50	150.00	4,545.5	Ladder Peak	45.39
3	100	150.00	2,272.7	Ladder Peak	51.12
4	150	150.00	1,515.2	Ladder Peak	55.95
5	200	150.00	1,136.4	Ladder Peak	60.73
6	300	150.00	757.6	Ladder Peak	69.98
7	400	150.00	568.2	Ladder Peak	78.00
8	500	150.00	454.5	Ladder Peak	83.68
9	600	150.00	378.8	Ladder Peak	88.37
10	700	150.00	324.7	Ladder Peak	91.42
11	1,000	150.00	227.3	Ladder Peak	95.45
12	2,000	150.00	113.6	Ladder Peak	101.60
13	3,000	150.00	75.8	Ladder Peak	104.70
14	7,000	150.00	32.5	Ladder Peak	109.76
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-24\2016-05-24\_003.xad

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 Modified: 5/24/2016 4:57:43 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : sample 1**

Number of peaks found: 2                      Corr. Area 1: 1,520.9  
 Noise: 0.2

**Peak table for sample 1 : sample 1**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	403	3,171.31	11,937.2		78.14
3	471	548.74	1,766.5		82.01
4	10,380	75.00	10.9	Upper Marker	113.00

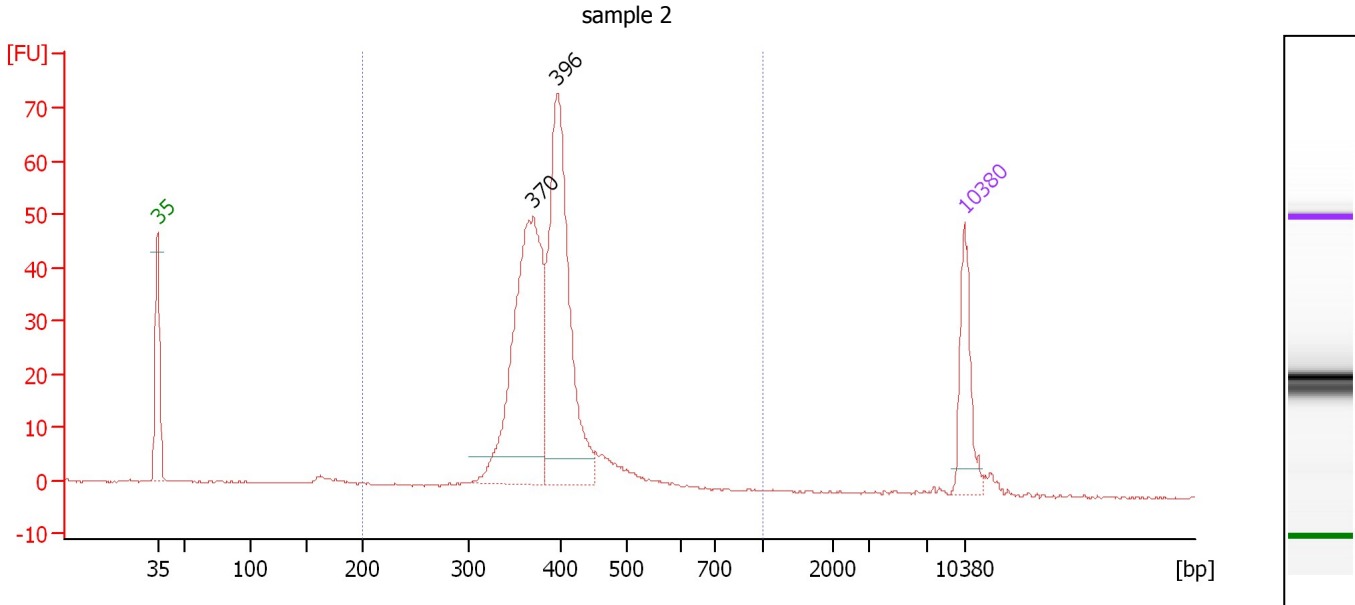
**Region table for sample 1 : sample 1**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	424	1,520.9	13,954.5	3,841.67	99	13.3

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-24\2016-05-24\_003.xad

Created: 5/24/2016 4:16:25 PM  
 Modified: 5/24/2016 4:57:43 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : sample 2**

Number of peaks found: 2                      Corr. Area 1: 450.7  
 Noise: 0.2

**Peak table for sample 2 : sample 2**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	370	443.21	1,815.5		75.58
3	396	427.45	1,637.4		77.64
4	10,380	75.00	10.9	Upper Marker	113.00

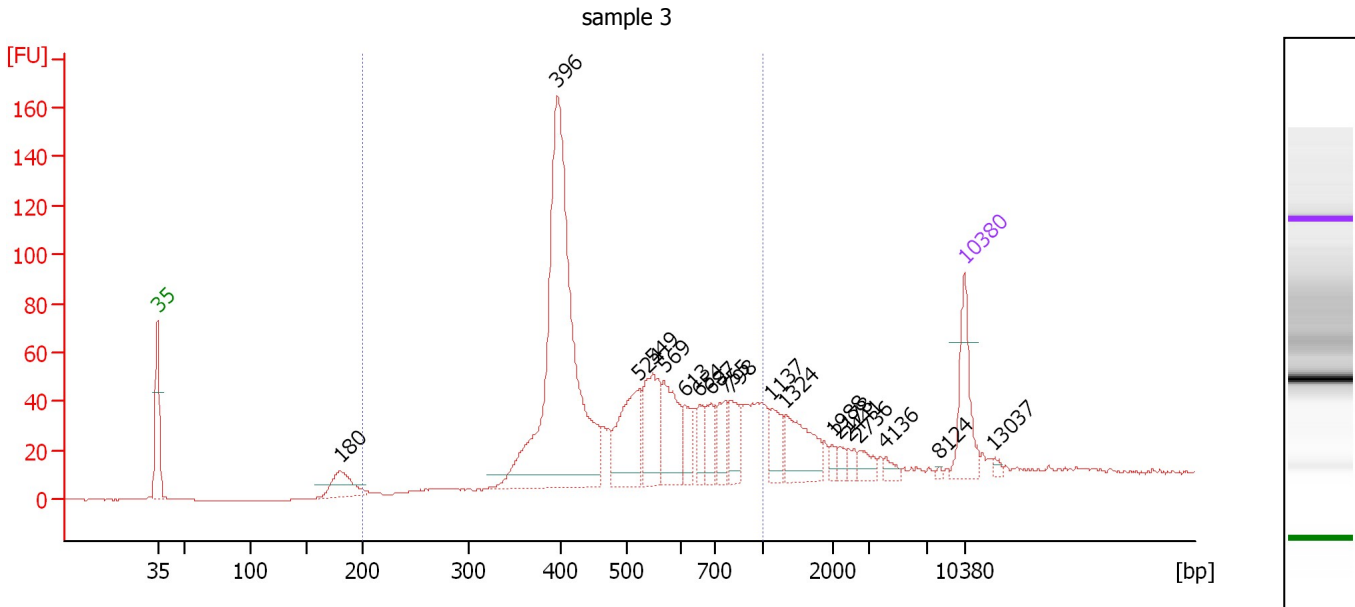
**Region table for sample 2 : sample 2**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	391	450.7	3,892.0	989.08	95	13.4

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-24\2016-05-24\_003.xad

Created: 5/24/2016 4:16:25 PM  
 Modified: 5/24/2016 4:57:43 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : sample 3**

Number of peaks found: 19                      Corr. Area 1: 1,092.4  
 Noise: 0.2

**Peak table for sample 3 : sample 3**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	180	67.47	568.8		58.80
3	396	740.73	2,831.2		77.71
4	524	128.61	371.7		84.82
5	549	110.70	305.6		85.97
6	569	101.71	270.7		86.93
7	613	39.05	96.6		88.75
8	654	32.92	76.3		90.00
9	687	44.36	97.9		91.01
10	755	44.05	88.3		92.16
11	798	47.42	90.0		92.74
12	1,137	40.99	54.6		96.29
13	1,324	81.91	93.7		97.44
14	1,988	10.39	7.9		101.53
15	2,178	10.50	7.3		102.15
16	2,441	10.21	6.3		102.97
17	2,736	18.07	10.0		103.88
18	4,136	9.91	3.6		106.13
19	8,124	2.34	0.4		110.84
20	10,380	75.00	10.9	Upper Marker	113.00
21	13,037	0.00	0.0		115.54

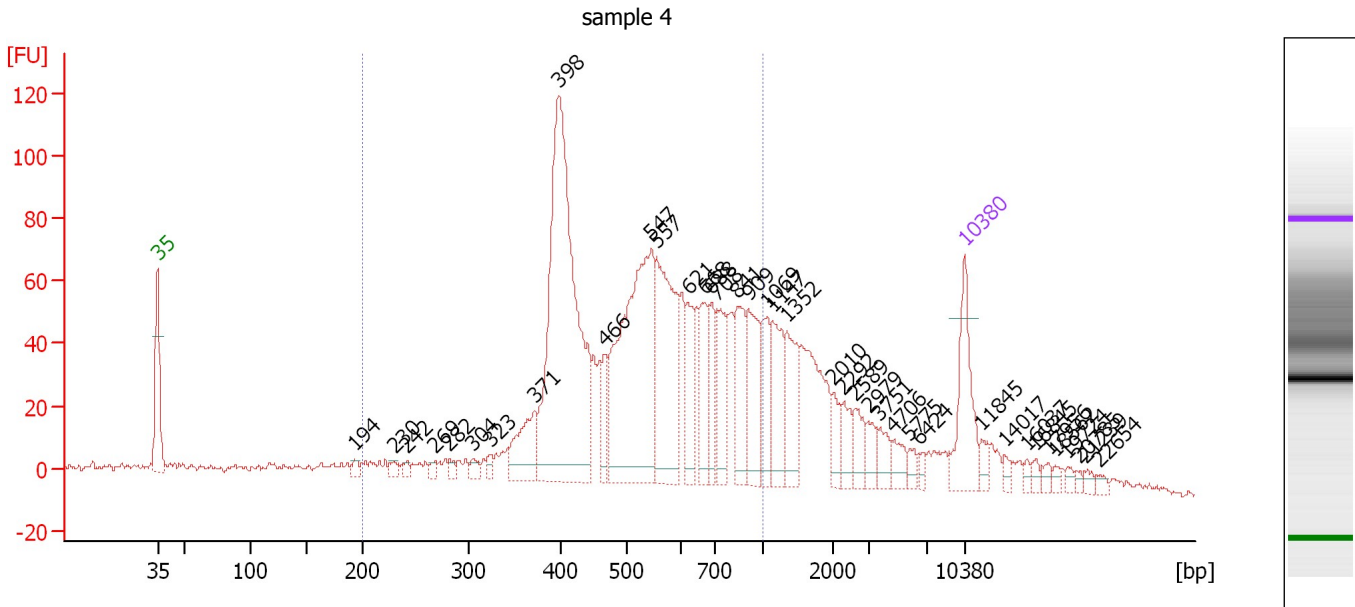
**Region table for sample 3 : sample 3**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	531	1,092.4	4,574.8	1,444.78	79	30.7

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-24\2016-05-24\_003.xad

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 Modified: 5/24/2016 4:57:43 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : sample 4**

Number of peaks found: 39                      Corr. Area 1: 1,549.0  
 Noise: 1.3

**Peak table for sample 4 : sample 4**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	194	9.98	78.1		60.13
3	230	9.61	63.3		63.51
4	242	8.33	52.2		64.62
5	269	7.13	40.2		67.09
6	282	8.87	47.7		68.30
7	304	11.98	59.6		70.33
8	323	9.70	45.5		71.83
9	371	76.02	310.2		75.70
10	398	551.94	2,101.8		77.83
11	466	44.54	144.8		81.75
12	547	359.13	995.6		85.86
13	557	195.96	533.2		86.34
14	621	65.12	158.9		89.01
15	668	66.05	149.7		90.46
16	688	50.10	110.4		91.04
17	708	74.48	159.5		91.52
18	841	73.36	132.2		93.31
19	909	81.21	135.4		94.23
20	1,069	50.78	72.0		95.87
21	1,147	67.56	89.2		96.36
22	1,352	67.54	75.7		97.62
23	2,010	21.54	16.2		101.63
24	2,292	25.39	16.8		102.50
25	2,589	25.27	14.8		103.42



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-24\2016-05-24\_003.xad

Created: 5/24/2016 4:16:25 PM  
 Modified: 5/24/2016 4:57:43 PM

**Electropherogram Summary Continued ...**

**... Peak table for sample 4 : sample 4**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	2,979	19.81	10.1		104.63
27	3,751	19.52	7.9		105.65
28	4,706	18.18	5.9		106.86
29	5,775	10.65	2.8		108.21
30	6,424	6.92	1.6		109.03
31	10,380	75.00	10.9	Upper Marker	113.00
32	11,845	0.00	0.0		114.40
33	14,017	0.00	0.0		116.48
34	16,037	0.00	0.0		118.42
35	16,845	0.00	0.0		119.19
36	17,956	0.00	0.0		120.26
37	18,562	0.00	0.0		120.84
38	19,724	0.00	0.0		121.95
39	20,785	0.00	0.0		122.97
40	21,239	0.00	0.0		123.40
41	22,654	0.00	0.0		124.76

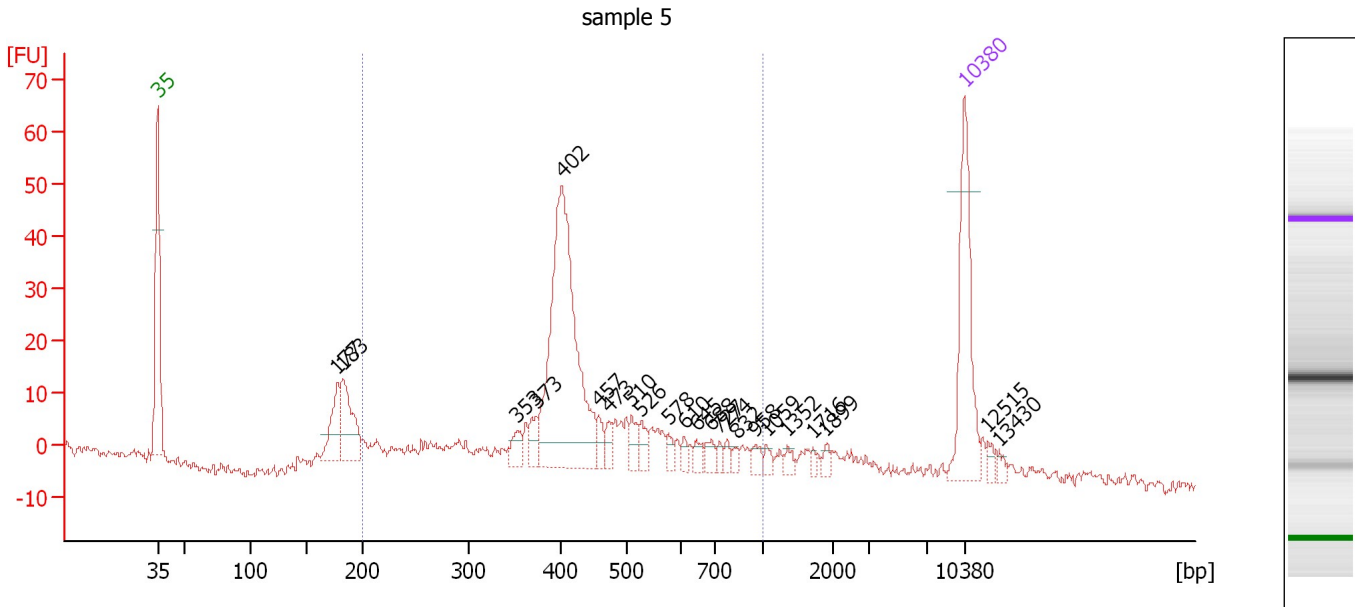
**Region table for sample 4 : sample 4**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	550	1,549.0	6,375.1	2,012.27	69	31.3

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-24\2016-05-24\_003.xad

Created: 5/24/2016 4:16:25 PM  
 Modified: 5/24/2016 4:57:43 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : sample 5**

Number of peaks found: 23                      Corr. Area 1: 405.9  
 Noise: 1.2

**Peak table for sample 5 : sample 5**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	177	40.92	349.3		58.58
3	183	60.51	502.2		59.06
4	353	14.06	60.4		74.20
5	373	15.18	61.7		75.81
6	402	256.98	969.3		78.10
7	457	11.08	36.7		81.26
8	473	9.78	31.3		82.14
9	510	13.18	39.2		84.13
10	526	11.61	33.4		84.91
11	578	6.74	17.7		87.35
12	610	5.77	14.3		88.66
13	645	6.94	16.3		89.73
14	688	8.25	18.2		91.05
15	727	5.03	10.5		91.78
16	774	4.96	9.7		92.41
17	832	4.23	7.7		93.19
18	958	6.86	10.8		94.89
19	1,059	5.14	7.4		95.82
20	1,352	5.27	5.9		97.62
21	1,716	3.27	2.9		99.86
22	1,899	4.82	3.8		100.98
23	10,380	75.00	10.9	Upper Marker	113.00
24	12,515	0.00	0.0		115.04
25	13,430	0.00	0.0		115.92

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-24\2016-05-24\_003.xad

Created: 5/24/2016 4:16:25 PM  
Modified: 5/24/2016 4:57:43 PM

**Electropherogram Summary Continued ...**

... Region table for sample 5 :

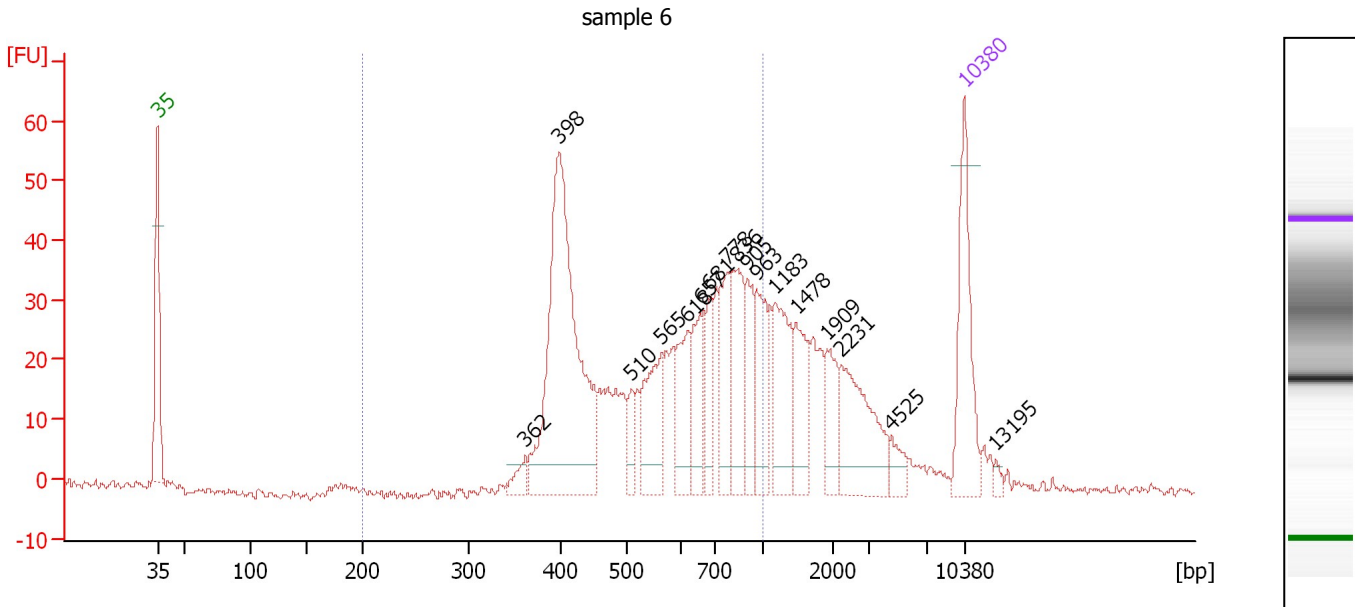
sample 5

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	459	405.9	2,263.0	■ 596.97	67	33.2

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-24\2016-05-24\_003.xad

Created: 5/24/2016 4:16:25 PM  
 Modified: 5/24/2016 4:57:43 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : sample 6**

Number of peaks found: 17      Corr. Area 1: 596.2  
 Noise: 0.7

**Peak table for sample 6 : sample 6**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	362	16.43	68.9		74.91
3	398	335.59	1,279.0		77.80
4	510	20.37	60.6		84.13
5	565	71.97	193.0		86.73
6	618	56.66	138.8		88.93
7	657	54.12	124.8		90.11
8	681	39.05	86.9		90.84
9	778	58.87	114.7		92.46
10	836	72.25	131.0		93.25
11	905	45.42	76.0		94.18
12	963	52.84	83.1		94.96
13	1,183	72.05	92.3		96.58
14	1,478	49.38	50.6		98.39
15	1,909	34.89	27.7		101.04
16	2,231	80.34	54.6		102.31
17	4,525	13.19	4.4		106.63
18	10,380	75.00	10.9	Upper Marker	113.00
19	13,195	0.00	0.0		115.70

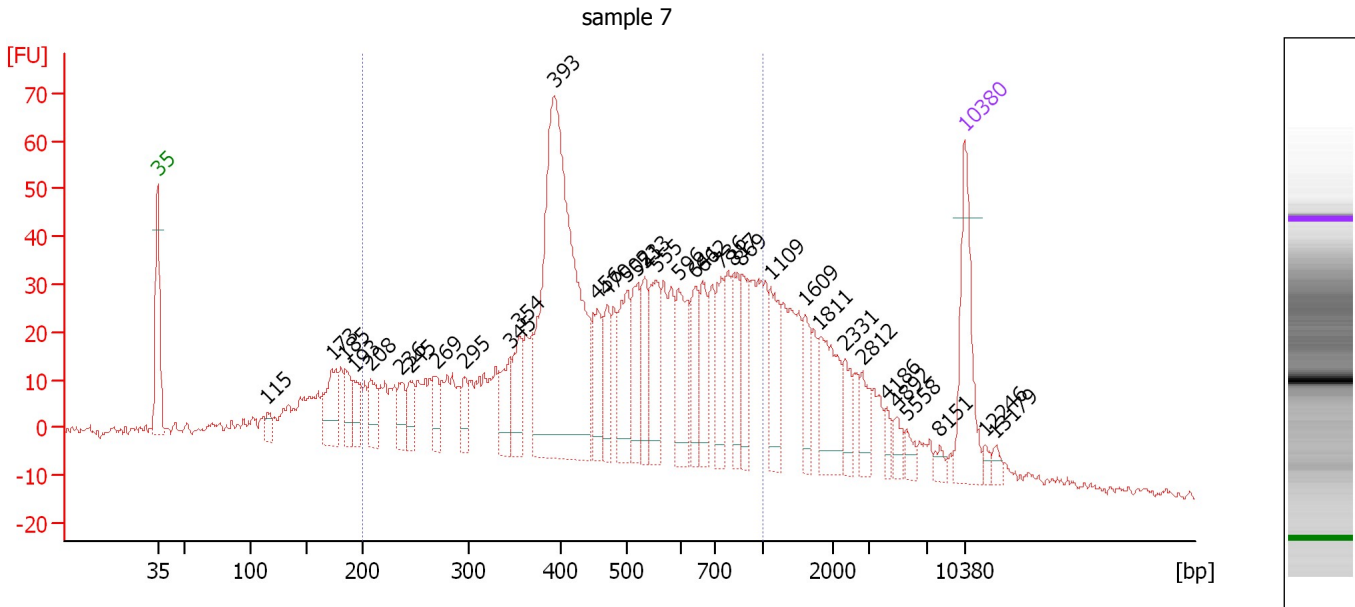
**Region table for sample 6 : sample 6**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	598	596.2	2,560.4	900.43	69	30.1

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-24\2016-05-24\_003.xad

Created: 5/24/2016 4:16:25 PM  
 Modified: 5/24/2016 4:57:43 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : sample 7**

Number of peaks found: 35                      Corr. Area 1: 1,212.4  
 Noise: 1.1

**Peak table for sample 7 : sample 7**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	115	16.24	214.6		52.53
3	173	61.76	541.2		58.14
4	185	33.86	277.5		59.28
5	193	29.77	234.2		60.03
6	208	36.61	266.8		61.47
7	236	28.32	181.5		64.10
8	245	30.33	187.6		64.89
9	269	27.51	154.9		67.13
10	295	25.14	128.9		69.56
11	345	39.72	174.5		73.58
12	354	47.96	205.1		74.33
13	393	458.99	1,771.5		77.40
14	456	53.07	176.4		81.18
15	470	36.93	119.1		81.97
16	502	68.45	206.7		83.76
17	521	53.08	154.4		84.65
18	533	41.22	117.1		85.25
19	555	61.10	166.9		86.24
20	596	67.37	171.3		88.18
21	641	42.02	99.3		89.62
22	662	45.83	104.9		90.26
23	736	46.60	95.9		91.90
24	817	43.52	80.7		92.99
25	869	36.38	63.5		93.69

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-24\2016-05-24\_003.xad

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 Modified: 5/24/2016 4:57:43 PM

**Electropherogram Summary Continued ...**

**... Peak table for sample 7 : sample 7**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,109	48.66	66.5		96.12
27	1,609	27.49	25.9		99.20
28	1,811	62.02	51.9		100.44
29	2,331	23.08	15.0		102.62
30	2,812	21.03	11.3		104.11
31	4,186	9.23	3.3		106.20
32	4,892	10.48	3.2		107.09
33	5,558	9.52	2.6		107.94
34	8,151	6.72	1.2		110.87
35	10,380	75.00	10.9	Upper Marker	113.00
36	12,246	0.00	0.0		114.79
37	13,179	0.00	0.0		115.68

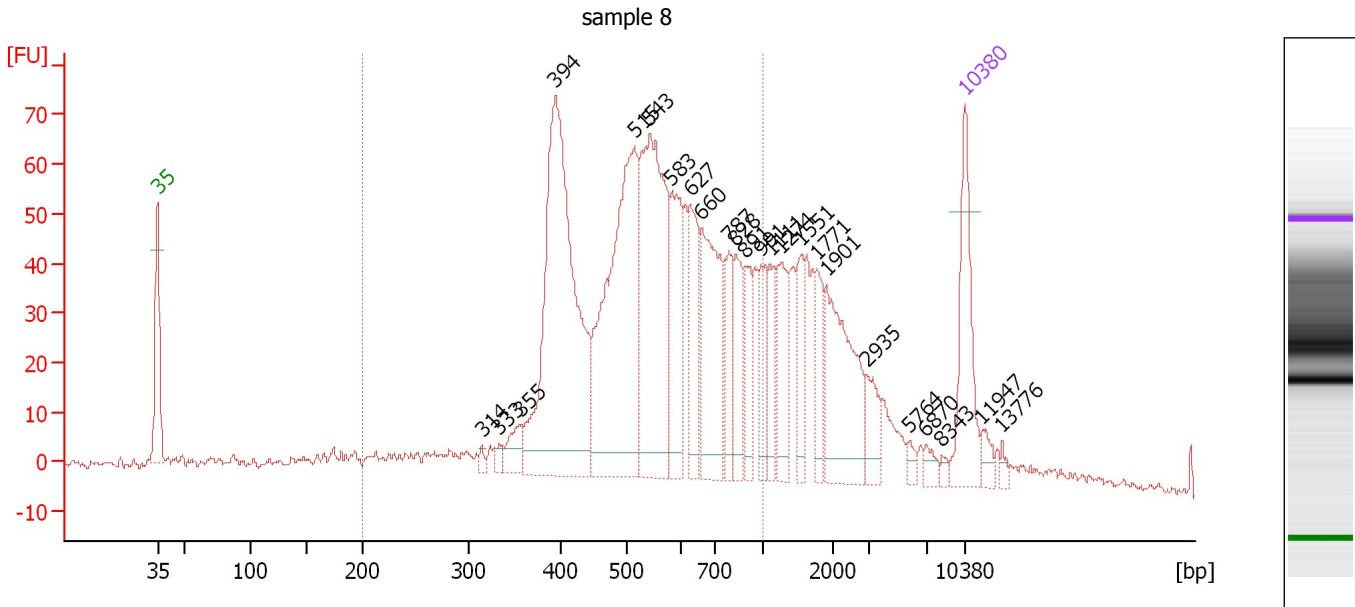
**Region table for sample 7 : sample 7**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	508	1,212.4	6,690.0	1,823.99	71	37.7

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-24\2016-05-24\_003.xad

Created: 5/24/2016 4:16:25 PM  
 Modified: 5/24/2016 4:57:43 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : sample 8**

Number of peaks found: 24                      Corr. Area 1: 1,238.0  
 Noise: 0.7

**Peak table for sample 8 : sample 8**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	314	5.77	27.8		71.12
3	333	8.66	39.4		72.62
4	355	25.31	107.9		74.42
5	394	404.39	1,554.8		77.52
6	515	310.39	913.2		84.38
7	543	257.26	718.2		85.68
8	583	92.70	240.8		87.58
9	627	74.21	179.4		89.18
10	660	132.01	303.3		90.18
11	787	48.32	93.0		92.59
12	828	46.35	84.8		93.14
13	891	37.68	64.1		93.99
14	991	43.45	66.4		95.34
15	1,111	32.53	44.4		96.14
16	1,274	48.67	57.9		97.14
17	1,551	33.59	32.8		98.84
18	1,771	29.87	25.6		100.19
19	1,901	109.47	87.2		100.99
20	2,935	24.38	12.6		104.49
21	5,764	6.44	1.7		108.20
22	6,870	8.58	1.9		109.60
23	8,343	4.26	0.8		111.05
24	10,380	75.00	10.9	Upper Marker	113.00
25	11,947	0.00	0.0		114.50

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-24\2016-05-24\_003.xad

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Modified: 5/24/2016 4:57:43 PM

**Electropherogram Summary Continued ...****... Peak table for sample 8 : sample 8**

Peak	Size [bp]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	13,776	0.00	0.0		116.25

**Region table for sample 8 : sample 8**

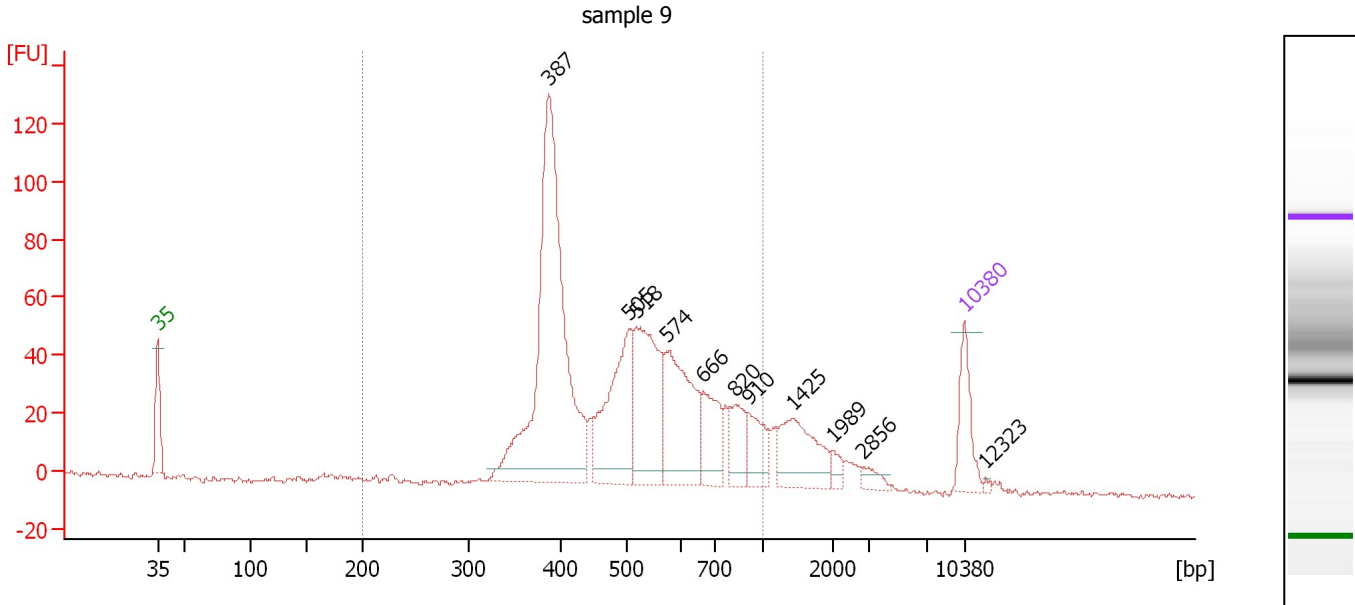
From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/ $\mu$ l]	% of Total	Size distribution in CV [%]
200	1,000	558	1,238.0	5,030.0	1,639.60	70	29.5



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-24\2016-05-24\_003.xad

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 Modified: 5/24/2016 4:57:43 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : sample 9**

Number of peaks found: 11                      Corr. Area 1: 1,072.5  
 Noise: 0.7

**Peak table for sample 9 : sample 9**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	387	835.68	3,273.2		76.94
3	505	265.52	795.9		83.93
4	518	281.62	823.2		84.54
5	574	255.37	674.0		87.15
6	666	106.24	241.8		90.37
7	820	68.19	125.9		93.04
8	910	71.80	119.5		94.24
9	1,425	130.73	139.0		98.06
10	1,989	18.23	13.9		101.53
11	2,856	17.89	9.5		104.25
12	10,380	75.00	10.9	Upper Marker	113.00
13	12,323	0.00	0.0		114.86

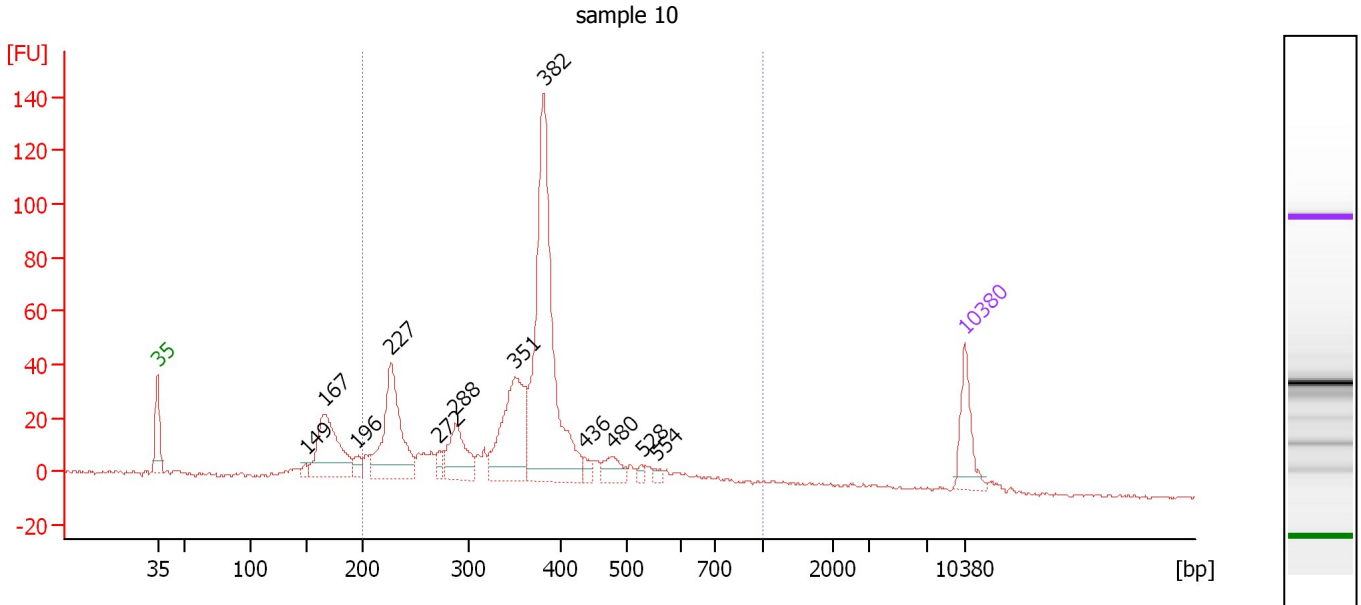
**Region table for sample 9 : sample 9**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	523	1,072.5	6,173.4	1,939.81	86	28.9

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-24\2016-05-24\_003.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : sample 10**

Number of peaks found: 12                      Corr. Area 1: 764.4  
 Noise: 0.6

**Peak table for sample 10 : sample 10**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	149	13.66	138.9		55.85
3	167	244.89	2,228.5		57.53
4	196	25.39	196.6		60.32
5	227	298.60	1,994.2		63.22
6	272	24.18	134.4		67.43
7	288	128.36	675.6		68.86
8	351	270.29	1,168.0		74.04
9	382	663.61	2,634.6		76.53
10	436	18.22	63.3		80.03
11	480	44.32	140.0		82.52
12	528	10.40	29.8		85.01
13	554	11.18	30.6		86.23
14	10,380	75.00	10.9	Upper Marker	113.00

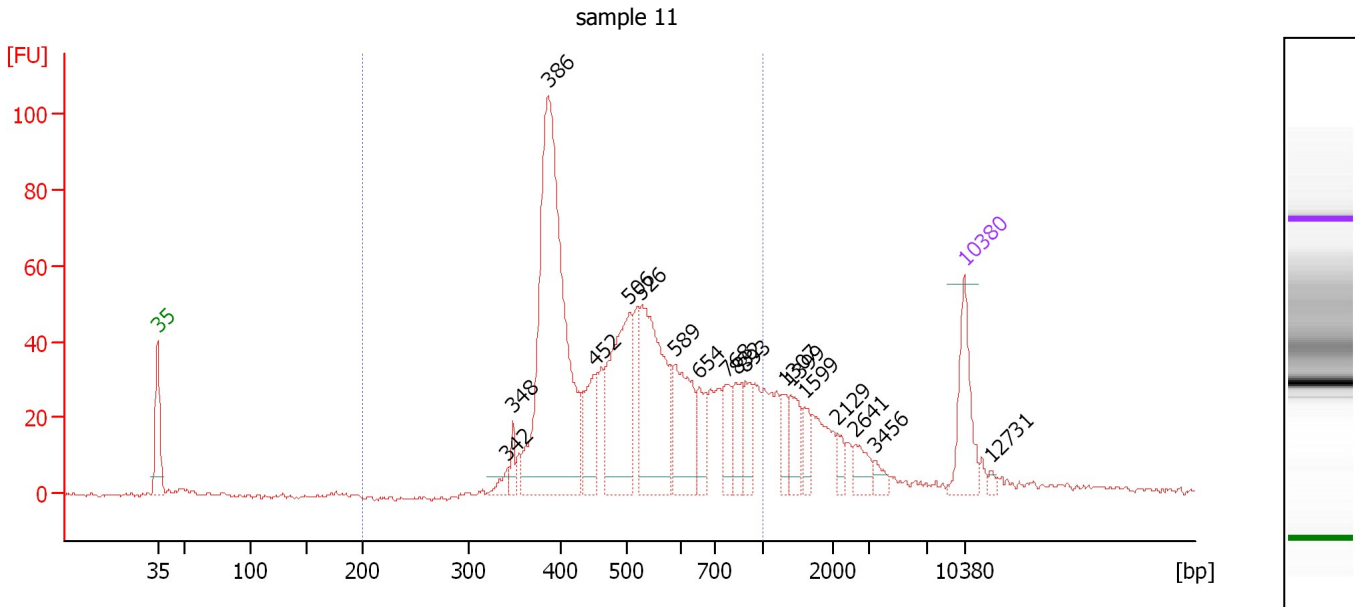
**Region table for sample 10 : sample 10**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	368	764.4	7,931.6	1,733.46	83	29.1

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-24\2016-05-24\_003.xad

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 Modified: 5/24/2016 4:57:43 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : sample 11**

Number of peaks found: 18                      Corr. Area 1: 947.3  
 Noise: 0.6

**Peak table for sample 11 : sample 11**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	342	16.88	74.8		73.34
3	348	20.37	88.8		73.80
4	386	625.23	2,454.4		76.87
5	452	84.31	282.4		80.97
6	506	216.54	649.0		83.94
7	526	243.06	699.8		84.91
8	589	117.60	302.3		87.88
9	654	44.54	103.1		90.02
10	768	47.89	94.5		92.33
11	832	41.58	75.7		93.20
12	893	43.09	73.1		94.02
13	1,307	26.21	30.4		97.34
14	1,399	41.49	44.9		97.90
15	1,599	25.84	24.5		99.13
16	2,129	14.13	10.1		102.00
17	2,641	26.17	15.0		103.58
18	3,456	11.80	5.2		105.27
19	10,380	75.00	10.9	Upper Marker	113.00
20	12,731	0.00	0.0		115.25

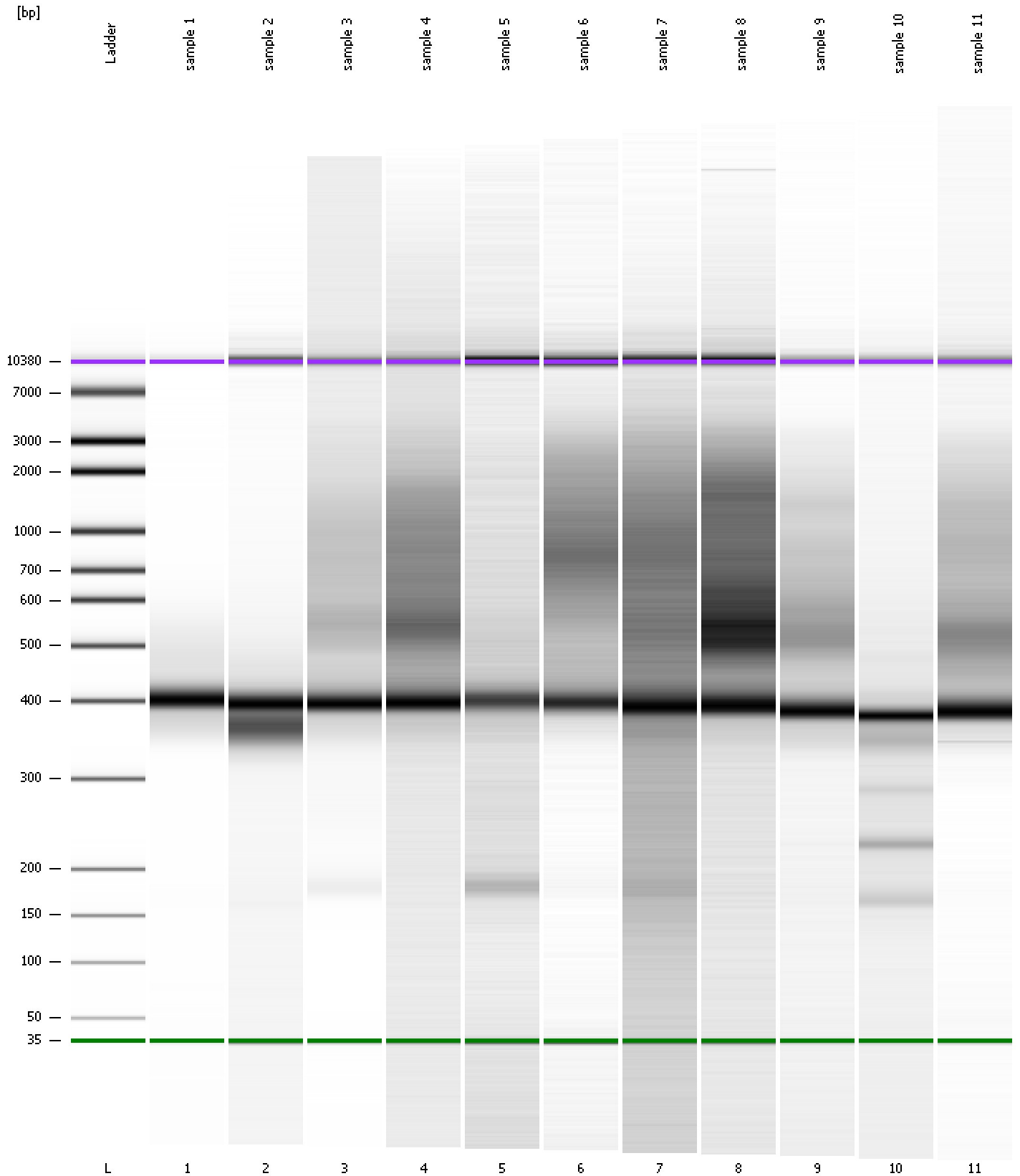
**Region table for sample 11 : sample 11**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	533	947.3	5,349.7	1,708.02	80	29.6

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-24\2016-05-24\_003.xad

Created: 5/24/2016 4:16:25 PM  
Modified: 5/24/2016 4:57:43 PM

**Gel Image**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-05-24\2016-05-24\_003.xad

Created: 5/24/2016 4:16:25 PM  
 Modified: 5/24/2016 4:57:43 PM

**Run Logbook**

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		5/24/2016 4:57:42 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-05-24\2016-05-24_003.xad)		Instrument	Run		5/24/2016 4:16:30 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		5/24/2016 4:16:30 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		5/24/2016 4:16:30 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		5/24/2016 4:16:30 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		5/24/2016 4:16:30 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		5/24/2016 4:16:30 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		5/24/2016 4:16:30 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1